

## AMENDMENTS

### Amendments to the Claims:

The following listing of claims will replace all previous listings and versions thereof:

### Listing of Claims:

1-13 (cancelled)

14. (currently amended) A purified human nucleic acid ~~sequence~~ molecule comprising a nucleic acid sequence selected from the group consisting of:

- (a) the nucleic acid sequence of SEQ ID NO:65, which encodes an alpha subunit of a sodium channel;
- (b) a full length complement of (a); and
- (c) a nucleic acid sequence having at least 95% identity ~~overall~~ to the full length nucleic acid sequence of (a) or (b).

15 and 16 (cancelled)

17. (previously presented) A vector comprising any one of the nucleic acids of claim 14.

18 and 19 (cancelled)

20. (previously presented) An isolated cell comprising the vector of claim 17.

21 and 22 (cancelled)

23. (currently amended) The purified nucleic acid of claim 14, wherein said nucleic acid molecule comprises the nucleic acid sequence of [[is]] SEQ ID NO:65 ~~and said alpha subunit of a sodium channel possesses a sodium channel function.~~

24. (currently amended) The purified nucleic acid of claim 14, wherein the presence of said nucleic acid in a sample of a subject indicates that the subject has said alpha subunit of a sodium channel ~~is associated with an increased susceptibility to risk of idiopathic generalized epilepsy.~~

25. (currently amended) The purified nucleic acid of claim 24, wherein said alpha subunit of a sodium channel comprises the following mutation:

- (a) a deletion mutation at positions 759 to 761 of SEQ ID NO:65; or
- (b) a G to A mutation at position 3735 of SEQ ID NO:65
- ~~(c) any combination of (a) and (b).~~

26 - 28 (cancelled)